

# Michael Nilges

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

220  
papers

29,429  
citations

65  
h-index

171  
g-index

247  
ext. papers

30,893  
ext. citations

6.9  
avg, IF

6.47  
L-index

#	Paper	IF	Citations
220	Bat coronaviruses related to SARS-CoV-2 and infectious for human cells.. <i>Nature</i> , <b>2022</b> ,	50.4	36
219	quicksom: Self-Organizing Maps on GPUs for clustering of molecular dynamics trajectories. <i>Bioinformatics</i> , <b>2021</b> , 37, 2064-2065	7.2	4
218	Automatic Bayesian Weighting for SAXS Data. <i>Frontiers in Molecular Biosciences</i> , <b>2021</b> , 8, 671011	5.6	1
217	Host-Pathogen Adhesion as the Basis of Innovative Diagnostics for Emerging Pathogens. <i>Diagnostics</i> , <b>2021</b> , 11,	3.8	3
216	The iPPI-DB initiative: A Community-centered database of Protein-Protein Interaction modulators. <i>Bioinformatics</i> , <b>2021</b> ,	7.2	4
215	Structural determination of Streptococcus pyogenes M1 protein interactions with human immunoglobulin G using integrative structural biology. <i>PLoS Computational Biology</i> , <b>2021</b> , 17, e1008169 <sup>5</sup>	5	3
214	H, N and C resonance assignments of the C-terminal domain of PulL, a component of the Klebsiella oxytoca type II secretion system. <i>Biomolecular NMR Assignments</i> , <b>2021</b> , 15, 455-459	0.7	0
213	Computational and biochemical analysis of type IV pilus dynamics and stability. <i>Structure</i> , <b>2021</b> , 29, 1397-1409.e6	5.2	6
212	InDeep: 3D fully convolutional neural networks to assist in silico drug design on protein-protein interactions.. <i>Bioinformatics</i> , <b>2021</b> ,	7.2	2
211	Bayesian inference of chromatin structure ensembles from population-averaged contact data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 7824-7830	11.5	5
210	Quantitative Structural Interpretation of Protein Crosslinks. <i>Structure</i> , <b>2020</b> , 28, 75-82.e4	5.2	4
209	Structure and function of minor pilins of type IV pili. <i>Medical Microbiology and Immunology</i> , <b>2020</b> , 209, 301-308	4	20
208	ARIAweb: a server for automated NMR structure calculation. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, W41-W47	20.1	3
207	Dynamics of a type 2 secretion system pseudopilus unraveled by complementary approaches. <i>Journal of Biomolecular NMR</i> , <b>2019</b> , 73, 293-303	3	6
206	Structure and Assembly of the Enterohemorrhagic Escherichia coli Type 4 Pilus. <i>Structure</i> , <b>2019</b> , 27, 1082-1093.e5	5.2	5
205	: Consistent Identification of Plausible Binding Sites Despite the Elusive Nature of Cavities and Grooves in Protein Dynamics. <i>Journal of Chemical Information and Modeling</i> , <b>2019</b> , 59, 3506-3518	6.1	9
204	Bayesian Weighing of Electron Cryo-Microscopy Data for Integrative Structural Modeling. <i>Structure</i> , <b>2019</b> , 27, 175-188.e6	5.2	24

203	Target Engagement and Binding Mode of an Antituberculosis Drug to Its Bacterial Target Deciphered in Whole Living Cells by NMR. <i>Biochemistry</i> , <b>2019</b> , 58, 526-533	3.2	11
202	Minimal NMR distance information for rigidity of protein graphs. <i>Discrete Applied Mathematics</i> , <b>2019</b> , 256, 91-104	1	19
201	Sequence-specific DNA binding activity of the cross-brace zinc finger motif of the piggyBac transposase. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, 2660-2677	20.1	14
200	Ordering Protein Contact Matrices. <i>Computational and Structural Biotechnology Journal</i> , <b>2018</b> , 16, 140-156	1.5	12
199	Tuning interval Branch-and-Prune for protein structure determination. <i>Journal of Global Optimization</i> , <b>2018</b> , 72, 109-127	1.5	12
198	Identification of novel leishmanicidal molecules by virtual and biochemical screenings targeting Leishmania eukaryotic translation initiation factor 4A. <i>PLoS Neglected Tropical Diseases</i> , <b>2018</b> , 12, e0006460	4.8	13
197	Automatic Building of Protein Atomic Models from Cryo-EM Maps. <i>Biophysical Journal</i> , <b>2018</b> , 114, 190a-191a	1.9	2
196	Conformational sampling of CpxA: Connecting HAMP motions to the histidine kinase function. <i>PLoS ONE</i> , <b>2018</b> , 13, e0207899	3.7	1
195	Nicotine reverses hypofrontality in animal models of addiction and schizophrenia. <i>Nature Medicine</i> , <b>2017</b> , 23, 347-354	50.5	107
194	Structural Characterization of Whirlin Reveals an Unexpected and Dynamic Supramodule Conformation of Its PDZ Tandem. <i>Structure</i> , <b>2017</b> , 25, 1645-1656.e5	5.2	16
193	Structure of the calcium-dependent type 2 secretion pseudopilus. <i>Nature Microbiology</i> , <b>2017</b> , 2, 1686-1695	25.6	38
192	In Silico prediction of the molecular basis of CLTx and AaCTx interaction with matrix metalloproteinase-2 (MMP-2) to inhibit glioma cell invasion. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2017</b> , 35, 2815-2829	3.6	12
191	SAS profile correlations reveal SAS hierarchical nature and information content. <i>PLoS ONE</i> , <b>2017</b> , 12, e0177309	3.7	5
190	Improved large-scale prediction of growth inhibition patterns using the NCI60 cancer cell line panel. <i>Bioinformatics</i> , <b>2016</b> , 32, 85-95	7.2	60
189	Structure of Complement C3(H2O) Revealed By Quantitative Cross-Linking/Mass Spectrometry And Modeling. <i>Molecular and Cellular Proteomics</i> , <b>2016</b> , 15, 2730-43	7.6	46
188	Inferential Structure Determination of Chromosomes from Single-Cell Hi-C Data. <i>PLoS Computational Biology</i> , <b>2016</b> , 12, e1005292	5	36
187	Modification in hydrophobic packing of HAMP domain induces a destabilization of the auto-phosphorylation site in the histidine kinase CpxA. <i>Biopolymers</i> , <b>2016</b> , 105, 670-82	2.2	2
186	Automated structure modeling of large protein assemblies using crosslinks as distance restraints. <i>Nature Methods</i> , <b>2016</b> , 13, 515-20	21.6	44

185	Building Graphs To Describe Dynamics, Kinetics, and Energetics in the d-ALA:d-Lac Ligase VanA. <i>Journal of Chemical Information and Modeling</i> , <b>2016</b> , 56, 1762-75	6.1	4
184	Temperature Accelerated Molecular Dynamics with Soft-Ratcheting Criterion Orients Enhanced Sampling by Low-Resolution Information. <i>Journal of Chemical Theory and Computation</i> , <b>2015</b> , 11, 3446-54	6.4	11
183	Outcome of the First wwPDB Hybrid/Integrative Methods Task Force Workshop. <i>Structure</i> , <b>2015</b> , 23, 1156-67	5.2	131
182	Improved reliability, accuracy and quality in automated NMR structure calculation with ARIA. <i>Journal of Biomolecular NMR</i> , <b>2015</b> , 62, 425-38	3	18
181	An algorithm to enumerate all possible protein conformations verifying a set of distance constraints. <i>BMC Bioinformatics</i> , <b>2015</b> , 16, 23	3.6	32
180	Identification of binding sites and favorable ligand binding moieties by virtual screening and self-organizing map analysis. <i>BMC Bioinformatics</i> , <b>2015</b> , 16, 93	3.6	11
179	Principal Component Analysis reveals correlation of cavities evolution and functional motions in proteins. <i>Journal of Molecular Graphics and Modelling</i> , <b>2015</b> , 55, 13-24	2.8	29
178	SAS Profile Correlations Reveal the Hierarchical Nature of SAS Data and Suggest New Scoring Strategies. <i>Biophysical Journal</i> , <b>2015</b> , 108, 45a	2.9	
177	NMR Exchange Format: a unified and open standard for representation of NMR restraint data. <i>Nature Structural and Molecular Biology</i> , <b>2015</b> , 22, 433-4	17.6	26
176	An automatic tool to analyze and cluster macromolecular conformations based on self-organizing maps. <i>Bioinformatics</i> , <b>2015</b> , 31, 1490-2	7.2	19
175	Neisseria meningitidis Type IV Pili Composed of Sequence Invariable Pilins Are Masked by Multisite Glycosylation. <i>PLoS Pathogens</i> , <b>2015</b> , 11, e1005162	7.6	42
174	Functional motions modulating VanA ligand binding unraveled by self-organizing maps. <i>Journal of Chemical Information and Modeling</i> , <b>2014</b> , 54, 289-301	6.1	11
173	Convective Replica-Exchange in Ergodic Regimes. <i>Journal of Chemical Theory and Computation</i> , <b>2014</b> , 10, 953-8	6.4	3
172	Computational design of protein-based inhibitors of Plasmodium vivax subtilisin-like 1 protease. <i>PLoS ONE</i> , <b>2014</b> , 9, e109269	3.7	1
171	ModBase, a database of annotated comparative protein structure models and associated resources. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, D336-46	20.1	207
170	Stabilization of the integrase-DNA complex by Mg <sup>2+</sup> ions and prediction of key residues for binding HIV-1 integrase inhibitors. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2014</b> , 82, 466-78	4.2	12
169	Distinct docking and stabilization steps of the Pseudopilus conformational transition path suggest rotational assembly of type IV pilus-like fibers. <i>Structure</i> , <b>2014</b> , 22, 685-96	5.2	40
168	SAXS Merge: an automated statistical method to merge SAXS profiles using Gaussian processes. <i>Journal of Synchrotron Radiation</i> , <b>2014</b> , 21, 203-8	2.4	12

167	Recommendations of the wwPDB NMR Validation Task Force. <i>Structure</i> , <b>2013</b> , 21, 1563-70	5.2	117
166	In Silico screening on the three-dimensional model of the Plasmodium vivax SUB1 protease leads to the validation of a novel anti-parasite compound. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 18561-73	5.4	15
165	A convective replica-exchange method for sampling new energy basins. <i>Journal of Computational Chemistry</i> , <b>2013</b> , 34, 132-40	3.5	16
164	Distance Geometry in Structural Biology: New Perspectives <b>2013</b> , 329-350		10
163	Blind testing of routine, fully automated determination of protein structures from NMR data. <i>Structure</i> , <b>2012</b> , 20, 227-36	5.2	64
162	Efficient Modeling of Symmetric Protein Aggregates from NMR Data. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 7022-7025	3.6	
161	Efficient modeling of symmetric protein aggregates from NMR data. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 6916-9	16.4	7
160	Computational approaches to the interpretation of NMR data for studying protein dynamics. <i>Chemical Physics</i> , <b>2012</b> , 396, 124-134	2.3	8
159	Lobeline Docking on AChBP and Nicotinic Receptors: Discriminating Importance of the Pocket Geometry and of the Ligand Configuration. <i>Letters in Drug Design and Discovery</i> , <b>2012</b> , 9, 54-62	0.8	2
158	ARIA for solution and solid-state NMR. <i>Methods in Molecular Biology</i> , <b>2012</b> , 831, 453-83	1.4	38
157	Modeling pilus structures from sparse data. <i>Journal of Structural Biology</i> , <b>2011</b> , 173, 436-44	3.4	34
156	Posttranslational modification of pili upon cell contact triggers N. meningitidis dissemination. <i>Science</i> , <b>2011</b> , 331, 778-82	33.3	149
155	Computational reverse-engineering of a spider-venom derived peptide active against Plasmodium falciparum SUB1. <i>PLoS ONE</i> , <b>2011</b> , 6, e21812	3.7	26
154	A role for specific collagen motifs during wound healing and inflammatory response of fibroblasts in the teleost fish gilthead seabream. <i>Molecular Immunology</i> , <b>2011</b> , 48, 826-34	4.3	36
153	Discrimination of agonists versus antagonists of nicotinic ligands based on docking onto AChBP structures. <i>Journal of Molecular Graphics and Modelling</i> , <b>2011</b> , 30, 100-9	2.8	15
152	The redundancy of NMR restraints can be used to accelerate the unfolding behavior of an SH3 domain during molecular dynamics simulations. <i>BMC Structural Biology</i> , <b>2011</b> , 11, 46	2.7	1
151	Bayesian estimation of NMR restraint potential and weight: a validation on a representative set of protein structures. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2011</b> , 79, 1525-37	4.2	20
150	Grid computing for improving conformational sampling in NMR structure calculation. <i>Bioinformatics</i> , <b>2011</b> , 27, 1713-4	7.2	2

149	Influence of Pruning Devices on the Solution of Molecular Distance Geometry Problems. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 206-217	0.9	10
148	Architecture of the RNA polymerase II-TFIIF complex revealed by cross-linking and mass spectrometry. <i>EMBO Journal</i> , <b>2010</b> , 29, 717-26	13	322
147	Visualization of macromolecular structures. <i>Nature Methods</i> , <b>2010</b> , 7, S42-55	21.6	107
146	Simultaneous use of solution, solid-state NMR and X-ray crystallography to study the conformational landscape of the Crh protein during oligomerization and crystallization. <i>Advances and Applications in Bioinformatics and Chemistry</i> , <b>2010</b> , 3, 25-38	1.5	
145	Structural insights into serine-rich fimbriae from Gram-positive bacteria. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 32446-57	5.4	43
144	Detailed structural and assembly model of the type II secretion pilus from sparse data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 13081-6	11.5	54
143	Comparative evaluation of 3D virtual ligand screening methods: impact of the molecular alignment on enrichment. <i>Journal of Chemical Information and Modeling</i> , <b>2010</b> , 50, 992-1004	6.1	47
142	Protein Structure Calculation using Ambiguous Restraints <b>2010</b> ,		3
141	An Efficient Protocol for NMR-Spectroscopy-Based Structure Determination of Protein Complexes in Solution. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 2011-2014	3.6	5
140	An efficient protocol for NMR-spectroscopy-based structure determination of protein complexes in solution. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 1967-70	16.4	88
139	Influence of different assignment conditions on the determination of symmetric homodimeric structures with ARIA. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2009</b> , 75, 569-85	4.2	29
138	Shelling the Voronoi interface of protein-protein complexes reveals patterns of residue conservation, dynamics, and composition. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2009</b> , 76, 677-692	4.2	39
137	ATP conformations and ion binding modes in the active site of anthrax edema factor: a computational analysis. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2009</b> , 77, 971-83	4.2	10
136	CASD-NMR: critical assessment of automated structure determination by NMR. <i>Nature Methods</i> , <b>2009</b> , 6, 625-6	21.6	51
135	Toward a unified representation of protein structural dynamics in solution. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 16968-75	16.4	98
134	Insights into the enzymatic mechanism of 6-phosphogluconolactonase from <i>Trypanosoma brucei</i> using structural data and molecular dynamics simulation. <i>Journal of Molecular Biology</i> , <b>2009</b> , 388, 1009-21	6.5	12
133	Accurate NMR structures through minimization of an extended hybrid energy. <i>Structure</i> , <b>2008</b> , 16, 1305-12	4.2	43
132	Comparative analysis of structural and dynamic properties of the loaded and unloaded hemophore HasA: functional implications. <i>Journal of Molecular Biology</i> , <b>2008</b> , 376, 517-25	6.5	47

131	3D structure determination of the Crh protein from highly ambiguous solid-state NMR restraints. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 3579-89	16.4	128
130	SNARE protein mimicry by an intracellular bacterium. <i>PLoS Pathogens</i> , <b>2008</b> , 4, e1000022	7.6	124
129	Structural biology by NMR: structure, dynamics, and interactions. <i>PLoS Computational Biology</i> , <b>2008</b> , 4, e1000168	5	94
128	ISD: a software package for Bayesian NMR structure calculation. <i>Bioinformatics</i> , <b>2008</b> , 24, 1104-5	7.2	28
127	A unifying probabilistic framework for analyzing residual dipolar couplings. <i>Journal of Biomolecular NMR</i> , <b>2008</b> , 40, 135-44	3	16
126	A structure refinement protocol combining NMR residual dipolar couplings and small angle scattering restraints. <i>Journal of Biomolecular NMR</i> , <b>2008</b> , 41, 199-208	3	52
125	Graphical analysis of NMR structural quality and interactive contact map of NOE assignments in ARIA. <i>BMC Structural Biology</i> , <b>2008</b> , 8, 30	2.7	4
124	Probabilistic structure calculation. <i>Comptes Rendus Chimie</i> , <b>2008</b> , 11, 356-369	2.7	3
123	Structural Bioinformatics and NMR Structure Determination. <i>Nucleic Acids and Molecular Biology</i> , <b>2008</b> , 123-137		1
122	ARIA2: automated NOE assignment and data integration in NMR structure calculation. <i>Bioinformatics</i> , <b>2007</b> , 23, 381-2	7.2	404
121	Biskit--a software platform for structural bioinformatics. <i>Bioinformatics</i> , <b>2007</b> , 23, 769-70	7.2	51
120	Three dimensional structure and implications for the catalytic mechanism of 6-phosphogluconolactonase from <i>Trypanosoma brucei</i> . <i>Journal of Molecular Biology</i> , <b>2007</b> , 366, 868-81	6.5	18
119	Flexibility and conformational entropy in protein-protein binding. <i>Structure</i> , <b>2006</b> , 14, 683-93	5.2	113
118	Weighting of experimental evidence in macromolecular structure determination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 1756-61	11.5	66
117	Clinical and mutational investigations of tyrosinemia type II in Northern Tunisia: identification and structural characterization of two novel TAT mutations. <i>Molecular Genetics and Metabolism</i> , <b>2006</b> , 88, 184-91	3.7	18
116	NMR in the SPINE Structural Proteomics project. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2006</b> , 62, 1150-61		10
115	Error distribution derived NOE distance restraints. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2006</b> , 64, 652-64	4.2	11
114	Determination of dihedral Psi angles in large proteins by combining NH(N)/C(alpha)H(alpha) dipole/dipole cross-correlation and chemical shifts. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2006</b> , 64, 931-9	4.2	4

113	Comparison of different torsion angle approaches for NMR structure determination. <i>Journal of Biomolecular NMR</i> , <b>2006</b> , 34, 153-66	3	6
112	Functional analysis of early secreted antigenic target-6, the dominant T-cell antigen of Mycobacterium tuberculosis, reveals key residues involved in secretion, complex formation, virulence, and immunogenicity. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 33953-9	5.4	117
111	Modeling errors in NOE data with a log-normal distribution improves the quality of NMR structures. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 16026-7	16.4	34
110	Normal mode analysis suggests a quaternary twist model for the nicotinic receptor gating mechanism. <i>Biophysical Journal</i> , <b>2005</b> , 88, 3954-65	2.9	165
109	The impact of protein flexibility on protein-protein docking. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2005</b> , 58, 126-33	4.2	35
108	Quantitative study of the effects of chemical shift tolerances and rates of SA cooling on structure calculation from automatically assigned NOE data. <i>Journal of Magnetic Resonance</i> , <b>2005</b> , 175, 92-102	3	30
107	Bayesian estimation of Karplus parameters and torsion angles from three-bond scalar couplings constants. <i>Journal of Magnetic Resonance</i> , <b>2005</b> , 177, 160-5	3	21
106	SOLARIA: a protocol for automated cross-peak assignment and structure calculation for solid-state magic-angle spinning NMR spectroscopy. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 6151-4	16.4	27
105	SOLARIA: A Protocol for Automated Cross-Peak Assignment and Structure Calculation for Solid-State Magic-Angle Spinning NMR Spectroscopy. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 6307-6310	3.6	6
104	Influence of chemical shift tolerances on NMR structure calculations using ARIA protocols for assigning NOE data. <i>Journal of Biomolecular NMR</i> , <b>2005</b> , 31, 21-34	3	8
103	RECOORD: a recalculated coordinate database of 500+ proteins from the PDB using restraints from the BioMagResBank. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2005</b> , 59, 662-72	4.2	285
102	Inferential structure determination. <i>Science</i> , <b>2005</b> , 309, 303-6	33.3	268
101	Replica-exchange Monte Carlo scheme for bayesian data analysis. <i>Physical Review Letters</i> , <b>2005</b> , 94, 018105	10.5	56
100	Bayesian inference applied to macromolecular structure determination. <i>Physical Review E</i> , <b>2005</b> , 72, 031912	1.12	27
99	Conservation of the biochemical properties of IncA from Chlamydia trachomatis and Chlamydia caviae: oligomerization of IncA mediates interaction between facing membranes. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 46896-906	5.4	73
98	Complementarity of structure ensembles in protein-protein binding. <i>Structure</i> , <b>2004</b> , 12, 2125-36	5.2	160
97	Correction of spin diffusion during iterative automated NOE assignment. <i>Journal of Magnetic Resonance</i> , <b>2004</b> , 167, 334-42	3	51
96	Solution structure of the 30 kDa polysulfide-sulfur transferase homodimer from Wolinella succinogenes. <i>Biochemistry</i> , <b>2004</b> , 43, 1418-24	3.2	23



95	NOE assignment with ARIA 2.0: the nuts and bolts. <i>Methods in Molecular Biology</i> , <b>2004</b> , 278, 379-402	1.4	50
94	Refinement of protein structures in explicit solvent. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2003</b> , 50, 496-506	4.2	521
93	ARIA: automated NOE assignment and NMR structure calculation. <i>Bioinformatics</i> , <b>2003</b> , 19, 315-6	7.2	397
92	Structure of the histone mRNA hairpin required for cell cycle regulation of histone gene expression. <i>Rna</i> , <b>2002</b> , 8, 29-46	5.8	34
91	Pathways and intermediates in forced unfolding of spectrin repeats. <i>Structure</i> , <b>2002</b> , 10, 1085-96	5.2	71
90	Protein folding in mode space: a collective coordinate approach to structure prediction. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2002</b> , 49, 365-77	4.2	2
89	Solution structure of the coiled-coil trimerization domain from lung surfactant protein D. <i>Journal of Biomolecular NMR</i> , <b>2002</b> , 24, 89-102	3	9
88	Calculation of Symmetric Oligomer Structures from NMR Data <b>2002</b> , 131-161		3
87	Re-face stereospecificity of methylenetetrahydromethanopterin and methylenetetrahydrofolate dehydrogenases is predetermined by intrinsic properties of the substrate. <i>ChemBioChem</i> , <b>2001</b> , 2, 530-41	3.8	22
86	NMR studies of the sporulation protein SpoIIAA: implications for the regulation of the transcription factor sigmaF in <i>Bacillus subtilis</i> . <i>Journal of Biomolecular NMR</i> , <b>2001</b> , 19, 293-304	3	8
85	Continuum solvent molecular dynamics study of flexibility in interleukin-8. <i>Journal of Molecular Graphics and Modelling</i> , <b>2001</b> , 19, 136-45	2.8	24
84	Automated assignment of ambiguous nuclear overhauser effects with ARIA. <i>Methods in Enzymology</i> , <b>2001</b> , 339, 71-90	1.7	300
83	Structural and functional studies of titinB fn3 modules reveal conserved surface patterns and binding to myosin S1—a possible role in the Frank-Starling mechanism of the heart. <i>Journal of Molecular Biology</i> , <b>2001</b> , 313, 431-47	6.5	82
82	Re-Face Stereospecificity of Methylenetetrahydromethanopterin and Methylenetetrahydrofolate Dehydrogenases is Predetermined by Intrinsic Properties of the Substrate <b>2001</b> , 2, 530		1
81	Efficient sampling in collective coordinate space. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2000</b> , 39, 82-8	4.2	29
80	Structure of a PH domain from the <i>C. elegans</i> muscle protein UNC-89 suggests a novel function. <i>Structure</i> , <b>2000</b> , 8, 1079-87	5.2	25
79	Unraveling the symmetry ambiguity in a hexamer: calculation of the R6 human insulin structure. <i>Journal of Biomolecular NMR</i> , <b>2000</b> , 16, 93-108	3	32
78	Refinement of the protein backbone angle psi in NMR structure calculations. <i>Journal of Biomolecular NMR</i> , <b>2000</b> , 16, 47-58	3	25

77	A new approach for applying residual dipolar couplings as restraints in structure elucidation. <i>Journal of Biomolecular NMR</i> , <b>2000</b> , 16, 245-52	3	83
76	<sup>1</sup> H, <sup>15</sup> N, and <sup>13</sup> C resonance assignment of the PH domain from <i>C. elegans</i> UNC-89. <i>Journal of Biomolecular NMR</i> , <b>1999</b> , 15, 269-70	3	6
75	The structure in solution of the b domain of protein disulfide isomerase. <i>Journal of Biomolecular NMR</i> , <b>1999</b> , 13, 357-68	3	60
74	StarDOM: from STAR format to XML. <i>Journal of Biomolecular NMR</i> , <b>1999</b> , 15, 169-72	3	1
73	Influence of non-bonded parameters on the quality of NMR structures: a new force field for NMR structure calculation. <i>Journal of Biomolecular NMR</i> , <b>1999</b> , 13, 51-9	3	23 <sup>1</sup>
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